Model 725T
Owner's Guide

Limited Lifetime Consumer Warranty

For a period of one calendar year from the date of purchase of this auto-security device, Directed Electronics, Inc. promises to the ORIGINAL PURCHASER to repair or replace (with a comparable reconditioned model), free of cost, any electronic control module which proves to be defective in workmanship or material under normal use, SO LONG AS THE SYSTEM WAS SOLD, INSTALLED, AND SERVICED BY A PROFESSIONAL AUTO INSTALLER, AND REMAINS IN THE CAR IN WHICH THE SYSTEM WAS ORIGINALLY INSTALLED. If warranty service is necessary you must have a clear copy of your sales receipt containing all of the information shown on the following page.

After the first calendar year, from the date of purchase of this auto-security device, Directed Electronics, Inc., promises to the ORIGINAL PURCHASER to repair or replace (with a comparable reconditioned model) any electronic control module which proves to be defective in workmanship or material under normal use **FOR A CHARGE OF $45.00,** SO LONG AS THE SYSTEM WAS SOLD, INSTALLED, AND SERVICED BY A PROFESSIONAL AUTO INSTALLER, AND REMAINS IN THE CAR IN WHICH THE SYSTEM WAS ORIGINALLY INSTALLED. If warranty service is necessary you must have a clear copy of your sales receipt containing all of the information shown on the following page.

This warranty contains the entire agreement relating to warranty and supersedes all previous and contemporaneous representations or understandings, whether written or oral. IN ANY EVENT, DEI IS NOT LIABLE FOR THE THEFT OF THE VEHICLE AND/OR ITS CONTENTS.

This warranty is void if the product has been damaged by accident, unreasonable use, neglect, improper service or other causes not arising out of defects in materials or construction. This warranty is nontransferable and does not apply to any unit that has been modified or used in a manner contrary to its intended purpose and does not cover batteries. The unit in question must be returned to the manufacturer, postage prepaid. This warranty does not cover labor costs for the removal, diagnosis, troubleshooting or reinstallation of the unit. For service on an out-of-warranty product a flat rate fee by model is charged. Contact your authorized dealer to obtain the service charge for your unit.

These systems are a deterrent against possible theft. Directed Electronics, Inc. is not offering a guarantee or insuring against the theft of the automobile or its contents and disclaims any liability for the theft of the vehicle and/or its contents. Directed Electronics does not authorize any person to create for it any other obligation or liability in connection with this security system.

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TO THE MAXIMUM EXTENT ALLOWED BY LAW, ANY AND ALL WARRANTIES ARE EXCLUDED BY THE MANUFACTURER AND EACH ENTITY PARTICIPATING IN THE STREAM OF COMMERCE THEREWITH. THIS EXCLUSION INCLUDES BUT IS NOT LIMITED TO THE EXCLUSION OF ANY AND ALL WARRANTY OF MERCHANTABILITY AND/OR ANY AND ALL WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE AND/OR ANY AND ALL WARRANTY OF NON-INFRINGEMENT OF PATENTS, IN THE UNITED STATES OF AMERICA AND/OR ABROAD. NEITHER THE MANUFACTURER OR ANY ENTITIES CONNECTED THEREWITH SHALL BE RESPONSIBLE OR LIABLE FOR ANY DAMAGES WHATSOEVER, INCLUDING BUT NOT LIMITED TO ANY CONSEQUENTIAL DAMAGES, INCIDENTAL DAMAGES, TOWING, REPAIR, REPLACEMENT, DAMAGES FOR LOSS OF TIME, LOSS OF EARNINGS, COMMERCIAL LOSS, LOSS OF ECONOMIC OPPORTUNITY AND THE LIKE. NOTWITHSTANDING THE ABOVE, MANUFACTURER DOES OFFER A LIMITED WARRANTY TO REPLACE OR REPAIR THE CONTROL MODULE AS DESCRIBED ABOVE. Some states do not allow limitations on how long an implied warranty will last or the exclusion or limitation of incidental or consequential damages. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

IMPORTANT NOTE:
This product warranty is automatically void if its date code or serial number is defaced, missing, or altered. This warranty will not be valid unless you have completed the warranty card and mailed it to Directed Electronics, Inc. within 10 days after purchase to the address listed on the warranty registration card.

Make sure you have all of the following information from your dealer:

A clear copy of the sales receipt, showing the following:

- Date of purchase
- Your full name and address
- Authorized dealer's company name and address
- Type of system installed
- Year, make, model and color of the automobile
- Automobile license number
- Vehicle identification number
- All security options installed on automobile
- Installation receipts

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Table of Contents

Standard Configuration 2
System Maintenance 3
What is Included. 3
Important Information. 3
Your Warranty 4
FCC/ID Notice 4
Transmitter Functions 5
Using Your System. 5
Arming 5
Passive Arming 6
Arming While Driving 7
Disarming. 7
Disarming Without a Transmitter 8
High Security Disarm 8
Panic Mode 9
Valet Mode 9
Silent Mode 9
Nuisance Prevention Circuitry 10
Remote Valet. 10
Diagnostics 12
Arming Diagnostics. 12
System Status Chirps 13
Disarming Diagnostics 13
Interpreting Zone Diagnostics 14
Table of Zones 14
Code Hopping® 15
Programming Options 16
Glossary of Terms 18
Security & Convenience Expansions 20

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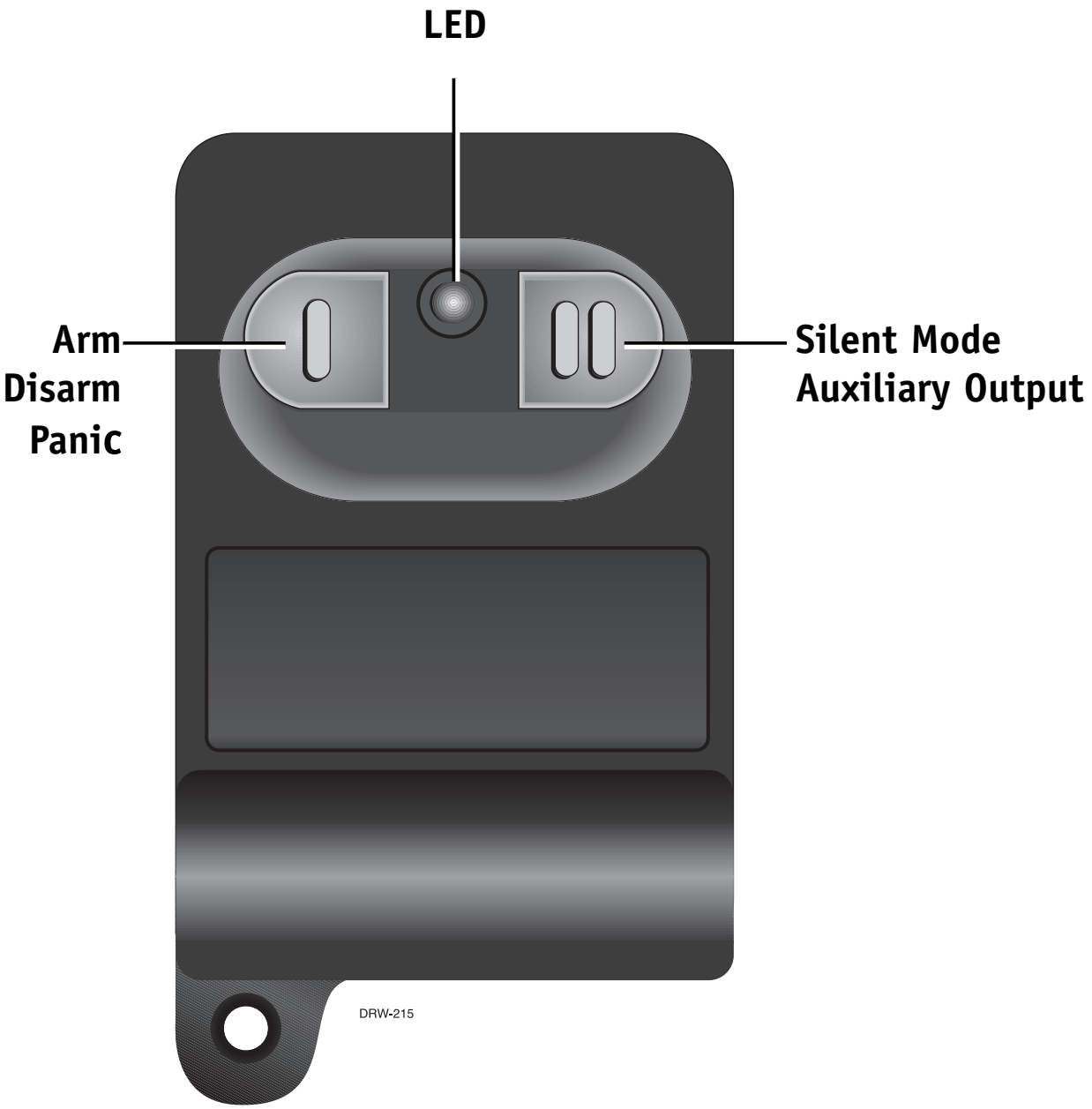
Standard Configuration



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What is Included

- The control module
- A pair of two-button transmitters
- A Stinger® Doubleguard® dual-stage shock sensor (on board the control module)
- The Revenger® Soft Chirp® six-tone programmable siren
- The red status LED indicator light
- A push-button Valet® switch
- Your warranty card

Important Information

Congratulations on the purchase of your state-of-the-art vehicle security system. By carefully reading this guide prior to using your system, you will maximize the use of this system and its features. You can print additional or replacement copies of this manual by accessing the Directed website at www.directed.com.

System Maintenance

This system has been designed to provide years of trouble-free operation. The system requires no specific maintenance. Your remote control is powered by a miniature 12V battery, type GP23A, that will last approximately one year under normal use. When the

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battery weakens, operating range will be reduced and the LED on the remote will light dim.

Your Warranty

Your warranty card must be returned within 10 days of purchase and the bar-code serial number must not be removed. If the warranty card is not returned you do not have a warranty. It is also necessary to keep your proof of purchase. Make sure you receive the warranty card from your dealer.

FCC/ID Notice

This device complies with Part 15 of FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device.

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Transmitter Functions

Button I

The arm, disarm and panic functions, are usually controlled by .

Button II

Silent Mode™ and an optional auxiliary function, such as trunk release, are usually controlled by . Silent Mode works by pressing for less than one second before arming or disarming. Trunk release requires you to press for 1.5 seconds.

Using Your System

Arming

You can turn on, or arm, the system by pressing of your transmitter for one second. When the system arms, you will hear a short siren sound, or chirp, and see the parking lights flash once. If the vehicle's power door locks are controlled by the system, the doors will lock. While the system is armed, the status LED will flash approximately twice per second, indicating that the system is actively protecting the vehicle. If you hear a second chirp after arming and see the status LED flashes in groups, refer to the Diagnostics section of this manual. This extra chirp is called Bypass Notification.

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Passive Arming

The system can also be programmed to arm itself automatically (called passive arming). If the system is programmed for passive arming, it will automatically arm 30 seconds after the ignition is turned off and the system "sees" you leave the vehicle by opening and closing a door. Whenever the system is in its 30-second passive arming countdown, the status LED will flash twice as fast as it does when the system is armed.

> **NOTE:** If any protected entry point (such as a door or a switch-protected trunk or hood) is open, the system will not passively arm (unless forced passive arming is programmed on. See Programming Options section). Additionally, each time a sensor is triggered during the arming countdown, the 30-second countdown starts over.

When armed, your vehicle is protected in the following ways:

- Light impacts will trigger the Warn Away® signal. When triggered, the siren will chirp and the parking lights will flash for a few seconds.
- Heavy impacts will trigger the system. The trigger sequence is 30 seconds of constant siren and flashing parking lights.
- If a door is opened, the system will immediately start chirping the siren and flashing the parking lights. Three seconds later, the siren output changes to a continuous blast. This progressive response gives you time to disarm the system with your transmitter if you inadvertently open the door while the system is armed, while still providing an instant response (even if the door is immediately closed).

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- Turning on the ignition key will trip the same two-stage response as opening a door.
- The optional starter kill prevents the vehicle's starter from cranking.

Arming While Driving

Your system can be armed while driving the vehicle! Simply press on your transmitter for two seconds while the vehicle is running. The system will chirp once and then once more to indicate that the ignition is on. The system will not respond to any input except the door triggers and the starter kill relay (if installed) will not be activated. The system can be disarmed at any time by pressing on the transmitter once more, or it will disarm when the key is turned off. The siren will chirp twice and the LED will stop flashing. If you do not disarm the system, it will trigger when any door is opened to exit the vehicle.

Disarming

To turn off, or disarm, the system, press again. You will hear two chirps, and the parking lights will flash twice. If the power locks are controlled by the system the doors will unlock. If the siren chirps either four or five times when disarming, refer to the Diagnostics section of this guide. This is called Tamper Alert.

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High Security Disarm

Your system includes a High Security Disarm feature. During the triggered sequence, using the transmitter to disarm the system will only stop the triggered sequence (the siren will stop and the parking lights will stop flashing). However, the system will remain armed and the doors will stay locked. This is extremely useful if you must stop the system from sounding, but are unable to visually check the vehicle. The trigger will stop, but the vehicle will remain protected.

To disarm with the transmitter during a trigger, press on your transmitter. The siren will stop sounding. Next press once more and the system will chirp four or five times (reporting the trigger) and disarm.

Disarming Without a Transmitter

This feature allows you to disarm the system without the transmitter should it be lost, damaged or disabled. In order to disarm without a transmitter, you must have the vehicle's ignition key and know where the Valet switch is located. Be sure to check with the installer for the location of the Valet switch.

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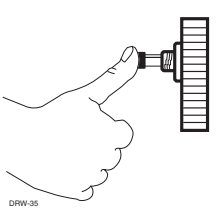
Turn on the ignition. Press the Valet switch within 15 seconds. The system should now disarm. If it does not, you may have waited too long, so turn the ignition off and on and try again.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Silent Mode

To temporarily turn off the arm or disarm chirps, use Silent Mode™. Simply press briefly before arming or disarming, and the confirmation chirp(s) will be eliminated for that one operation only. If you want the arm/disarm chirps turned off permanently, your dealer can do this for you.

> **NOTE:** The Warn Away® response to lighter impacts is bypassed if the system is armed using Silent Mode. This ensures that no chirps will be emitted by the siren in an environment you want to remain chirp-free. The system is still fully able to trigger. Only the Warn Away response is defeated.

Panic Mode

If you are threatened in or near your vehicle, you can attract attention by triggering the system with your transmitter! Just press for 1.5 seconds, and you will enter Panic Mode. The siren will sound and the parking lights will flash for 30 seconds. To stop Panic Mode at any time, press on the transmitter again.

Valet Mode

You can prevent your system from automatically arming and triggering by using Valet Mode. This is very useful when washing the vehicle or having it serviced. In Valet Mode, the system will not arm, even with the transmitter, but all convenience functions (door locks, trunk release, etc.) will work normally.

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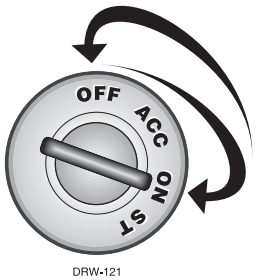
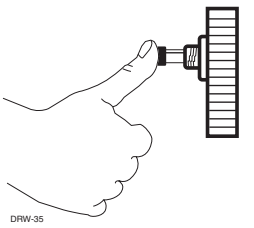
The same procedure can be used to either enter or exit Valet® Mode:



2. Turn the ignition on.
2. Turn the ignition off.
3. Press and release the Valet® switch within 10 seconds.



The status LED will light steady if you have entered Valet Mode, and it will go out if you have exited Valet Mode.

Remote Valet

Using Remote Valet as you enter or exit the vehicle:

1. Open any door.
2. Press (or the arm/disarm button).
3. Press (or the auxiliary output button).
4. Press again.

The status LED will light steady if you have entered Valet Mode, and it will go out if you exited Valet Mode.

Nuisance Prevention Circuitry

Your system has Directed's Nuisance Prevention® Circuitry (NPC®). It prevents annoying repetitive trigger sequences due to faulty door pin switches or environmental conditions such as thunder, jackhammers, airport noise, etc.

If the alarm triggers three times within a 60-minute period and each time the same sensor or switch triggers the alarm, NPC® will

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interpret those triggers as false alarms. After the third trigger, NPC® ignores, or bypasses, that sensor or switch (along with any other sensors or switches sharing the same zone) for 60 minutes.

If the bypassed sensor tries to trigger the system while it is being bypassed, the 60-minute bypass period will start over. This ensures that a sensor that continually triggers will remain bypassed.

Doors are covered by NPC® differently; if the alarm is triggered by an open door for three full cycles, the doors will be bypassed until the trigger ceases.

> **NOTE:** Arming and disarming the system does not reset this function.The only ways to reset a bypassed zone are for it to not trigger for 60 minutes, or to turn on the ignition. If testing your system, it is important to remember that the NPC® programming can cause zones to be bypassed and appear to stop working. If five chirps are heard when disarming, NPC® has been engaged. If you wish to clear the NPC® memory, turn the ignition key on.

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Diagnostics

The microprocessor at the heart of your security system is constantly monitoring all of the switches and sensors that are connected to it. It detects any faulty switches and sensors and prevents them from disabling the entire system. The microprocessor will also record and report any triggers that occurred during your absence. Refer to the System Status Chirps and Table of Zones charts for diagnostic information.

Arming Diagnostics

If the system is armed with an input active (door open, sensor triggering, etc.) the unit will chirp once when arming and then one more time a few seconds later. This is called Bypass Notification.

> **NOTE:** Bypass Notification will not occur when using Silent Mode or if chirps have been programmed OFF.

The security system will ignore the input that was active when the system was armed, until the input goes away. Three seconds later the system will monitor that input normally. For example, if your vehicle has interior light exit delay, and you arm the system before the interior light goes out, you may hear Bypass Notification chirps. Once the light shuts off, however, the doors are monitored normally.

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Disarming Diagnostics

Extra disarm chirps are the Tamper Alert. If four chirps are heard when disarming, the system was triggered in your absence. If five chirps are heard, a zone was triggered so many times that Nuisance Prevention® Circuitry has bypassed that zone. The status LED will indicate which zone was involved. (See Table of Zones section of this guide.) The system will retain this information in its memory, and continue to chirp four or five times each time it is disarmed, until the next time the ignition key is turned on.

System Status Chirps

The siren will chirp when arming/disarming the system. The pattern of chirps will audibly report the system's status as described below.

Action	Number of Chirps	Description
Arm	1	System armed
Arm	1 (3-second delay), 1	System armed with Bypass Notification
Disarm	2	System disarmed
Disarm	4	System disarmed with Tamper Alert
Disarm	5	System disarmed NPC active

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Table of Zones

The zone number is the number of LED flashes used by the system to identify that input. The standard input assignments are listed below, along with spaces to write in any optional sensors or switches you have had installed.

Zone - Number of LED Flashes	Description	Dealer-Installed Options
1	Instant trigger - often used for hood/trunk pinswitches	
2	Instant trigger - a heavier impact detected by the shock sensor	
3	Door switch trigger	
5	Ignition trigger	

Interpreting Zone Diagnostics

Warn Away responses are not reported by arming or disarming diagnostics. If you receive a Bypass notification when arming or a Tamper Alert notification when disarming, look at the LED. Active or triggered zones will be indicated by a pattern of blinks by the LED.

If Zone 3 was active or triggered, the LED will blink three times with a two-second pause. Then it will blink three times again, and repeat until the ignition is turned on.

> **NOTE:** Your system stores the last two triggered zones in memory. If your system has been triggered but the LED has been reset by turning on the ignition, your dealer can still recall the last two zones that were triggered. Contact your dealer for details.

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Code Hopping®

The receiver and transmitters each use a mathematical formula called an algorithm to change their code each time the transmitter is used. This technology has been developed to increase the security of the unit. The control unit knows what the next codes should be. This helps to keep the transmitter synchronized with the control unit even if you use the remote control out of range of the vehicle. However, if the transmitter has been pressed many times out of range of the vehicle, or the battery has been removed, it may get out of sync with the control unit and fail to operate the system. To resynchronize the remote control simply press several times within range of the vehicle. The alarm will automatically resynchronize and respond to the transmitters normally.

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Programming Options

Programming options control what your system does during normal operation, and require few or no additional parts. However, some may require additional installation labor. The factory settings are in bold.

- **Active** arming (only with the transmitter) or passive arming (automatic arming 30 seconds after the last door is closed).
- Arming/disarming confirmation chirps **on** or off.
- Passive door locking (with passive arming) or **active** door locking (only when arming with the transmitter). This feature only works if passive arming has been selected for step one.
- The ignition switch-controlled door locking feature **on** or off. With this feature on, the doors will lock 3 seconds after the key is turned on, and unlock when the key is turned off.

  NOTE: If the door is open when the ignition is turned on, the doors will not lock.

- Panic mode **enabled**/disabled with the ignition on. (Some states have laws against siren capability in a moving vehicle).
- Automatic Engine Disable (AED) on or **off**. This feature deters theft of the vehicle, whether or not the alarm is armed. If AED is programmed on, the starter of the vehicle will be disabled 30 seconds after the ignition is turned off. The LED will flash slowly (one-half its normal armed rate) to indicate the AED arming cycle. 30 seconds later, the starter of the vehicle will be disabled. To start the car, you will need to arm the car

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with the remote and then disarm it with the remote. You can also disarm the AED feature by turning the ignition on and pressing the Valet button once. AED is also disabled when in Valet mode.

NOTE: This feature will only function if the Failsafe starter kill relay has been installed.

- Forced passive arming **on** or off. If your system is programmed to passively arm and this feature has been programmed on, the system will passively arm after one hour, even if a protected entry has been left open. If a door has accidentally been left ajar when leaving the vehicle, forced passive arming ensures that the system will arm in one hour

  NOTE: When forced passive arming occurs, the entry point that has been left open, and anything connected to the same zone, is bypassed and cannot trigger the system. The remaining inputs to the system are fully operational.

- Siren tones and chirp volume. The output of the Revenger® Soft Chirp® siren consists of six different tones in sequence. Any of these tones can be eliminated by your dealer, resulting in a unique, easily identifiable siren sound. The siren chirps can be either full volume or **6 decibels quieter** than the full alarm blast.

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Glossary of Terms

Control Unit: The “brain” of your system. Usually hidden underneath the dash area of the vehicle. It houses the microprocessor which monitors your vehicle and controls all of the alarm's functions.

Failsafe® Starter Kill (Optional): An automatic switch controlled by the security system which prevents the vehicle’s starter from cranking whenever the system is armed. The vehicle is never prevented from cranking when the system is disarmed, in Valet mode, or should the starter kill switch itself fail. Your system is ready for this feature, however installation may require additional labor.

Input: A physical connection to the system. An input can be provided by a sensor, pinswitch or to existing systems in the vehicle, such as ignition or courtesy lights.

LED: A red light mounted somewhere in the vehicle. It is used to indicate the status of your system. It is also used to report triggers and faults in the system or sensors.

Shock Sensor: This system is packaged with a Doubleguard® Shock Sensor. This sensor is mounted in the vehicle and is designed to pick up impacts to the vehicle or glass.

Siren: Noise generating device usually installed in the engine compartment of the vehicle. It is responsible for generating the “chirps” you hear, as well as the six tones you hear while the alarm is triggered.

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Transmitter: Hand-held, remote control which operates the various functions of your system.

Trigger or triggered response: This is what happens when the alarm "goes off" or "trips." The triggered response of your system consists of 30 seconds of siren sounding and parking light flashing.

Valet® Switch: A small push button switch mounted somewhere inside the vehicle. It is used to override the alarm when a transmitter is lost or damaged, or to enter Valet mode.

Warn Away® Response: Lighter impacts to the vehicle will generate the Warn-Away response. It consists of several seconds of siren chirps and parking light flashes.

Zone: A zone is a separate input that the alarm can recognize as unique. Each input to the system is connected to a particular zone. Often two or more inputs may share the same zone.

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Security & Convenience Expansions

Here we have listed only some of the many expansion options available for use with your system. Please consult your dealer for a complete list of all the options available to you.

Field Disturbance Sensor: An invisible dome of coverage is established by the 508D "radar" sensor. Your system can react to any intrusions into this field with the triggered sequence.

Backup Battery: The 520T keeps the system armed, triggers the alarm and keeps the starter kill active if main battery power is disconnected.

Electronic Hood Lock: This prevents the vehicle's hood from being opened whenever the system is in alarm mode, keeping thieves away from the system's siren, the battery connections, or other components under the hood.

Audio Sensor: Metal on glass, glass cracking, or breaking glass produce distinctive acoustic signatures. The 506T audio sensor uses a microphone to pick up sounds, and then analyze them with proprietary acoustic software to determine if the glass has been struck.

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Power Trunk Release: The auxiliary output of the system can be used to operate a factory power release for the vehicle's trunk or hatch. (An optional relay may be required.) If the factory release is not power-activated, DEI's 522T trunk-release solenoid can often be added.

Power Locks: This system offers lock outputs that can control some manufacturers' power door lock systems. For other systems, additional parts may be required.

Valet® Start System: For the ultimate in convenience, the Valet Start System can start your vehicle, monitor engine functions, and power your climate control system with a push of a button! Over-rev protection, open-hood lockout, brake-pedal shutdown, and automatic timer shutdown are all included. (Only for automatic-transmission, fuel-injected gasoline vehicles).

Power Window Control: Automatic power window control is provided with the 529T or 530T systems. These can operate power windows, roll them up automatically when the system is armed, and roll them down when the auxiliary output button is pressed. The 530T also provides one touch switch operation.

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Cut along dotted line and fold for a quick and easy reference to keep in your purse or wallet.

QUICK REFERENCE GUIDE:

To arm using your remote

- Press for less than a second. When armed the siren chirps once and the parking lights flash once.

Arming

- Press of your transmitter for one second. When the system arms, you will hear a short chirp, and see the parking lights flash once. If the vehicle's power door locks are controlled by the system, the doors will lock.

Arming while driving

- Press on your transmitter for two seconds while the vehicle is running. The system will chirp once and then once more to indicate that the ignition is on.

Disarming

- Press . You will hear two chirps, and the parking lights will flash twice. If the power locks are controlled by the system, the doors will unlock.

Disarming without a transmitter

- Turn on the ignition. Press the Valet switch within 15 seconds. The system should now disarm; if it does not, you may have waited too long. Turn the ignition off and on and try again.

Silent Mode

- Press briefly before arming or disarming, and the confirmation chirp(s) will be eliminated for that one operation only.

Panic Mode

- Press for 1.5 seconds, and you will enter Panic Mode. The siren will sound and the parking lights will flash for 30 seconds.

To enter or exit Valet® Mode with the Valet switch

- Turn the ignition to "run" position, then turn to "off" position. Press and release the Valet switch within 10 seconds. The status LED will light steady if you have entered Valet Mode, and it will go out if you exited Valet Mode.

Using Remote Valet as you enter or exit the vehicle

- Open any door. Press . Press . Press again. The status LED will light steady if you have entered Valet Mode, and it will go out if you have exited Valet Mode.

The company behind this system is Directed Electronics, Inc.

Since its inception, Directed has had one purpose, to provide consumers with the finest vehicle security and car stereo products and accessories available. The recipient of more than 20 patents in the field of advanced electronic technology, Directed is ISO 9001 registered.

Quality Directed Electronics products are sold and serviced throughout North America and around the world.

Call **(800) 274-0200** for more information about our products and services.

QS 9000
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ISO 9001

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Directed® is committed to delivering world class quality products and services that excite and delight our customers.

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